

Date: Sun, 17 Jul 94 10:08:05 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #803
To: Info-Hams

Info-Hams Digest Sun, 17 Jul 94 Volume 94 : Issue 803

Today's Topics:

 2M opening to Hawaii de CA.
 CALL YOUR CONGRESSPERSON!!! (was Re: FCC Delays now at 17 weeks!
 Comment 06/28/94 5:54pm
 Enough already
 Experience with R7
 FCC accepts no data entry volunteers?
 Gray Areas of 'No Commercial Use'
 How do you police hams? (3 msgs)
 Icom 737 Fan..can you hear it?
 OMNI Directional Yagi!!!
 SAREX Keps 7/17
 Selectone Encrypt
 Wanted Low Band Mitrek

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 15 Jul 1994 06:37:02 -0700
From: news2.sprintlink.net!news.sprintlink.net!bethel.connected.com!
hebron.connected.com!not-for-mail@uunet.uu.net
Subject: 2M opening to Hawaii de CA.
To: info-hams@ucsd.edu

From all reports this has been a great event. There was a report of a
mountain top QSO from above Reno NV on the VHF e-mail list. There was
also a second hand report of one from the Or or Wa coast. Wow, wish it
had reached the inland area of Wa

73s...Ralph

--

Ralph Lindberg N7BSN
Ellen Winnie N7PYK
email => dragonsl@connected.com
or => dragonsl@pnw.net

More hobbies than time
Just because I'm not doing anything
doesn't mean I have nothing to do.
Members of too MANY clubs!

Date: Fri, 15 Jul 1994 03:25:20 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
lerc.nasa.gov!kira.cc.uakron.edu!malgudi.oar.net!witch!doghouse!jsalemi@ames.arpa
Subject: CALL YOUR CONGRESSPERSON!!! (was Re: FCC Delays now at 17 weeks!
To: info-hams@ucsd.edu

In article <Anthony_Pelliccio-140794103318@adis-215.adis.brown.edu>, Tony
Pelliccio (Anthony_Pelliccio@brown.edu) writes:
>Yes but doesn't the FCC get a cut of that \$35.00 you pay?
>

No; all license fees paid to US Government agencies go into the general
fund, and become part of the overall budget. Fees do not go directly
to the service that collects them.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Fri, 15 Jul 1994 12:40:09 GMT
From: agate!iat.holonet.net!crystal!carlton.smith@ames.arpa
Subject: Comment 06/28/94 5:54pm
To: info-hams@ucsd.edu

Hello David,

I replaced all the phone lines, as the dogs apparently chewed through
a couple under the house..... have to put everything in PVC !

Have you been doing anything with the packet switched amateur radio
data?

is Dxing still alive and well on 20 meters and other HF frequencies?
I remember a trip I made to Dayton with a friend back in the 70s, and
wonder if the hobby is still alive and growing.....or have computers
taken over the interests of enthusiasts ???

Date: 15 Jul 1994 14:49:53 GMT
From: agate!howland.reston.ans.net!swrinde!news.uh.edu!usenet@ames.arpa
Subject: Enough already
To: info-hams@ucsd.edu

In <303g7b\$81o@news.iastate.edu> twp77@isuvax.iastate.edu writes:

> Jeff,
> It seems to me you were the only person saying -40F=-40C meant
> that you could cancel the -40s. Everyone else seemed to realize
> that since you can't put a degree sign in a usenet post, it was
> just deleted.

Well, yes, but the "-40F = -40C" appeared in the context of a thread
in which the "F" and "C" had earlier appeared as variable names in
an equation...

Date: 16 Jul 1994 19:04:21 GMT
From: portal.com!kgh@uunet.uu.net
Subject: Experience with R7
To: info-hams@ucsd.edu

About the R7 blown trap problem being a "well-known" problem, I've certainly
heard it here several times. I have an R7 that had blown traps (about which
more anon), and in dealing with Cushcraft about it, I of course got no
admission from the engineer that it was a known problem.

I bought the R7 secondhand, but still under warranty. The symptoms in
my case were no resonance on 20, 30, or 40 meters; all the higher
frequency bands were OK. It is possible that the traps were either
defective from the factory or else were blown because of mistreatment
by the person I bought it from. He was trying to use it inside a
mobile home laying horizontally and without the counterpoise. He was
only using 100 Watts. The Cushcraft engineer thought that sort of
mistreatment might blow out the matching network, and might possibly
blow traps, but that seemed less likely. In this case, the matching
network appeared to be OK. So, even though there was some doubt about

whether the traps were defective from the start, Cushcraft replaced the 20 and 30 meter traps under warranty.

I certainly cannot see how the traps can get blown, unless you use a lot of power and take no care whatever to tune the antenna correctly. When you realize how those traps are constructed, it's hard to imagine a failure mechanism that could occur with 100 watts.

In my case, the symptom of blown traps was high SWR in the corresponding Ham band, and resonance far removed from any amateur band (12 Mhz, as I recall). Replacing the 20 and 30 meter traps fixed the problem, and I've had no complaints since. I think it's a very good antenna, and I think Cushcraft acted admirably in replacing the traps even when it wasn't clear that they were at fault.

Kim

Date: Fri, 15 Jul 1994 17:23:08 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usc!nic-nac.CSU.net!
channel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!netcom12!
faunt@network.ucsd.edu
Subject: FCC accepts no data entry volunteers?
To: info-hams@ucsd.edu

In article <1994Jul14.113640.109@drager.com> landisj@drager.com (Joe Landis - System & Network Mgr) writes:

In article <3010g1\$94s@cville-srv.wam.umd.edu>, ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

> Apparently, there's a clause in somebody's law book that prohibits the
> FCC from accepting volunteer help in doing data entry. Apparently the
> Gettysburg people would love the help, but CAN'T accept it. Looks like
> well, I don't know what it looks like...

Probably union rules.

> Purdy ridiculous, eh?

Yes they are.

Or privacy or conflict of interest. And I suspect it would take the same kind of reorganization to accept volunteers for data-entry that it did to set up the VEC program. It's just a shame they can't accept ear-marked donations in order to hire a temp.

Maybe the route is to see if hams, through the VEC's, could fund a temp at the office.

73, doug

Date: Fri, 15 Jul 1994 03:20:05 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
lerc.nasa.gov!kira.cc.uakron.edu!malgudi.oar.net!witch!doghouse!jsalemi@ames.arpa
Subject: Gray Areas of 'No Commercial Use'
To: info-hams@ucsd.edu

In article <199407140433.AAA06611@max.tiac.net>, Chris Patti { Feoh }
(chrisp@max.tiac.net) writes:
>But then I was thinking, would, for instance, using such a connection to work
>on some shell scripts I was writing for my job be considered 'Commercial Use'
>?

Yes, it would -- Part 97 still forbids traffic that financially
benefits you or your employer, and this certainly qualifies.

>
>What if I told my PC to dial up my Internet access provider and checked my
>mail? I've paid them for a service, so is my dialing up their terminal server
>and logging in a commercial transaction?
>

May not be commercial under the current rules, but could be a violation
of the third-party traffic rules.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: 16 Jul 94 14:20:58 -0500
From: ulowell!ulowell!woods.uml.edu!martinja@uunet.uu.net
Subject: How do you police hams?
To: info-hams@ucsd.edu

In article Scott Hopson (shopson@netcom.com) wrote:

> : How does the service police itself?

> : I recently tuned into a local repeater to hear an exchange of continued
> : profanity, attempts to jam signals, music being played over conversations,
> : 28 WPM code practice, and more by a young kid, some drunk adults, and
> : one pot smoking stoner. This all occurred within a 1/2 hour period. The

> : offenders even gave their call signs. How do you get these people to
> : cease, who has legal authority to enforce laws pertaining to these
> : things?

Please allow me to add my \$.02 here. There are many who will disagree with about anything that anyone posts anywhere just for the sake of disagreement and it is not to those that this post is written...

Firstly, we probably need to get it out of our heads that any type of enforcement must occur on the spur of the moment where ham radio is concerned. Yeah, there are those who will jump right in and yell at the offender only to begin a shouting match with the "enforcer" becoming enraged and engaging in the same activities the offender is being accused of. It don't work this way!
[Grammar error intentional] &-D

To the untrained there is no need to try to act as some type of mediator or enforcement agency unless the parties committing the violations are well known by this person. And then, this person's actions should not take place on the air. If the violators are unknown, probably the best thing to do would be to contact an Official Observer (OO) or someone from the Amateur Auxiliary.

Although neither of these groups has enforcement authority, they DO have enforcement credibility. This means that the FCC will listen to their complaints/reports [the decision to contact the FCC Field Operations Bureau would never be made by an OO to begin with and only extreme cases would be brought to the attention of the FCC under the guidance of FCC personnel in strict accordance with the established referral policy of the Amateur Auxiliary] before even beginning to consider a report from Joe HamRadio Operator off the street. Many times Joe HamRadioOperator off the street calls the FCC just because it makes him feel important and because he and the perpetrator have had an argument and this is Joe's way of getting even. I'm sure this is one of the main reasons the Amateur Auxiliary was founded.

Being involved with a "self-policing" activity, as we are, does not mean that we have to become a SWAT team and pounce on someone the moment they commit an infraction. Part of the "Basis and Purpose" of amateur radio (Para 97.1(d) states: "Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronic experts." To me this includes the idea that only trained operators should become involved in any "enforcement" process. If you want to become involved and to become an Official Observer or a member of the Amateur Auxiliary, talk to your ARRL section manager. That's a good start. Those who absolutely abhor the ARRL and anything involving the ARRL and who think they can take matters into their own hands....only become a part of the problem.

Bottom line: If you are not or have not been trained as an Official Observer or as a member of the Amateur Auxiliary I would recommend that your involvement only be that of contacting and reporting the problems to those who

are trained, and let them handle it. Let them be the ones to contact the FCC in any event, as they wouldn't take that action unless it was absolutely necessary.

Oh, I do not currently belong to the League but I do support many of their activities.

73 de WK1V
-jim-

Date: Fri, 15 Jul 1994 16:28:13 GMT
From: agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!
zip.eecs.umich.edu!yeshua.marcam.com!charnel.ecst.csuchico.edu!csusac!csus.edu!
netcom.com!shopson@ames.arpa
Subject: How do you police hams?
To: info-hams@ucsd.edu

How does the service police itself?

I recently tuned into a local repeater to hear an exchange of continued profanity, attempts to jam signals, music being played over conversations, 28 WPM code practice, and more by a young kid, some drunk adults, and one pot smoking stoner. This all occurred within a 1/2 hour period. The offenders even gave their call signs. How do you get these people to cease, who has legal authority to enforce laws pertaining to these things?

--

o_/
/|
---/___
 ,

Cowabunga, dude.....

shopson@netcom.com

Scott Hopson

Costa Mesa, Ca.

Date: Fri, 15 Jul 1994 16:33:14 GMT
From: pacbell.com!amdahl!netcomsv!netcom.com!dgf@ames.arpa
Subject: How do you police hams?
To: info-hams@ucsd.edu

In article <shopsonCszpr2.6Bt@netcom.com> shopson@netcom.com (Scott Hopson) writes:

>I recently tuned into a local repeater to hear an exchange of continued

Let me guess: 147.435?

Date: Fri, 15 Jul 1994 03:21:46 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
lerc.nasa.gov!kira.cc.uakron.edu!malgudi.oar.net!witch!doghouse!jsalemi@ames.arpa
Subject: Icom 737 Fan..can you hear it?
To: info-hams@ucsd.edu

In article <199407140149.SAA03302@ucsd.edu>, Ken Carr IQC109@URIACC.URI.EDU (IQC109@uriacc.uri.edu) writes:
>I have had an Icom 737 HF transceiver for several months and am very
>satisfied (except for the strange layout of the numerical keypad). I do have
>one question. Does the fan ever go on? I have never heard it. I usually
>transmit no more than 1 minute at a time (although I have gone as long as
>two minutes). The unit is supposed to have a 100% duty cycle. I have never
>heard it during phone or CW modes. I'd appreciate any comments from Icom
>owners...is this normal operation for this unit? Thanks...

Yes it is; I've only heard the fan on my 737 go on when I'm running a digital mode (RTTY/Amtor/Pactor). Those modes, especially Amtor and Pactor, key the transmitter a lot more, and the fan will kick in about 10-15 minutes into a QSO.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: 15 Jul 1994 16:19:48 GMT
From: 111-winken.llnl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!news.umbc.edu!haven.umd.edu!cville-srv.wam.umd.edu!
ham@ames.arpa
Subject: OMNI Directional Yagi!!!
To: info-hams@ucsd.edu

OK, this idea has been going around in my head for quite some time, so

here it goes...

Take a standard beam Yagi, or an electrically steered phased array.

The rotate either the beam or the array (your choice, will call "antenna" from now on) REALLY REALLY fast - so much so that the receiving end can't even tell the antenna's spinning.

Just think! High gain IN ALL DIRECTIONS!

I know it's flawed, because of that time-averaged thing, but imagine a receiver that could do a really good interpolation job, or even just a smoothing circuit...

And without it, you'd need to be rotating the antenna (such that you get samples of the carrier) at roughly 2.2 times the carrier freq. So for 2 meters, that's about 300 million revs per sec. OK, OK, for a physical antenna that would be hard to do. But a phased array? Y not?

Scott NF3I

--

73,

----- The
 \ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live \$5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles -----| Dipoles! Antenna!

Date: 17 Jul 94 13:53:36 GMT
From: news-mail-gateway@ucsd.edu
Subject: SAREX Keps 7/17
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-65.017
SAREX Keps 7/17 at 13:50 UTC

Greenbelt, MD 7/17 at 13:50 UTC

At this time, the official SAREX Orbital element set for the STS-65 Space Shuttle mission is set GSFC-027a with the NORAD drag values corrected by Gil Carman, WA5NOM. This set was generated by Ron Parise, WA4SIR at the Goddard Space Flight Center. On orbit 140, predictions with this set were 2 seconds later than GSFC-025a and one second earlier than GSFC-023a. Predictions with set GSFC-021 are now 33 seconds too late because it had the Norad drag values.

STS-65

1 23173U 94039A 94197.96572968 0.00069638 00000-0 20662-3 0 276
2 23173 28.4666 305.8755 0003512 39.1990 320.8876 15.90919045 1339

Satellite: STS-65

Catalog number: 23173

Epoch time: 94197.96572968 (16 JUL 94 23:10:39.05 UTC)

Element set: GSFC-027a

Inclination: 28.4666 deg

RA of node: 305.8755 deg Space Shuttle Flight STS-65

Eccentricity: 0.0003512 Keplerian Elements

Arg of perigee: 39.1990 deg

Mean anomaly: 320.8876 deg

Mean motion: 15.90919045 rev/day Semi-major Axis: 6677.8421 Km

Decay rate: 6.9638E-04 rev/day*2 Apogee Alt: 301.80 Km

Epoch rev: 133 Perigee Alt: 297.11 Km

NOTE - This element set is based on NORAD element set # 027.

The spacecraft has been propagated to the next ascending
node, and the orbit number has been adjusted to bring it
into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

Date: Fri, 15 Jul 1994 14:59:36 GMT

From: olivea!charnel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!jevans@ames.arpa

Subject: Selectone Encrypt

To: info-hams@ucsd.edu

I'm looking at a commercial radio installation and hope this is a
reasonable place to ask the question. (If there is a better spot I'm
sure I'll hear about it)

This installation will require encrypting, and I want to hear any experience
you have with the Selectone ST25-AGP installed in the Motorola 300
radios.

Thanks in advance

--

=====
Jeff Evans
Audio Intervisual Design

jevans@netcom.com
phone 213-845-1155

Los Angeles, CA

fax

-1170

=====

Date: Fri, 15 Jul 1994 15:51:21 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!newshub.nosc.mil!news@network.ucsd.edu
Subject: Wanted Low Band Mitrek
To: info-hams@ucsd.edu

I'm looking for a couple of low band Mitreks for use on a packet link on 6 mtrs.
If you have one or two that you would be willing to sell or know where I might
find these radios, your help would be appreciated. 73

Rick Craig, N6ND
craigr@marlin.nosc.mil

Date: Fri, 15 Jul 1994 17:46:00 GMT
From: cnn.nas.nasa.gov!wilbur.nas.nasa.gov!eugene@ames.arpa
To: info-hams@ucsd.edu

References <wb9omc.773515194@constellation.ecn.purdue.edu>,
<CsJLy8.25z@cnn.nas.nasa.gov>, <070794210011Rnf0.79b4@ham.island.net>>
Subject : Re: Radios for Emergency Use

I have been asked by a rec.radio.* newbie (this person apparently does
not know how to use Killfiles) that some of the rec.radio readers don't want
to read about hiking in their group (he doesn't understand cross-posting as
well). So adjust Followups as needed. I'll drop one group.

>eugene@wilbur.nas.nasa.gov (Eugene N. Miya) writes:
1>>The fact is that some organizations who lead trips forbid
1>>the use of some of this technology. (Period.)

2>>The problem of "false sense of security" is another area not addressed
2>>by Hal's text; this has been known for decades as the bodies of
2>>9 Russian women who had a radio can attest
2>>with their last words: "We die now." So a radio is not a panacea.

3>>Leaving the text as it is represents a tacit assumption that this is
3>>generally condoned in the woods: and in large part, it is not.

>>The question is how to achieve the right sense of balance which Hal's text
>>lacks. In case the reader (more radio oriented) thinks this is a joke,
>>I refer to the article in Backpacker "Galen Rowell
>>Almost Killed Me" and Rowell's side bar response. I doubt

>>Hal would like a similar "Hal (or me or any rec.radio poster name)
>>Almost Killed Me" net.post. It's not clear to me that consensus is what
>>you want. You want expertise.

In article <070794210011Rnf0.79b4@ham.island.net> emd@ham.island.net writes:
>I'm not quite sure how to take this post. In what way would carrying a
>radio while hiking not be "condoned", and by whom? And why would anyone
>pay attention to such a kook?

Whom: was addressed in another post: portions of certain solitude-seeking
outdoor organizations. I wouldn't describe them as kooks as they have
valid opinions (I might not agree with everything, nor should one assume
a consistency like oneself: like using radios on bigger mountains).

Rest of specific advice (duplicating Hal's post) edited down:

>Assuming that you're serious (I've never seen the magazine you mention),

Only half. You probably won't look the magazine up. The article is real.
I never joke about people dying however.

>and that what you want is emergency communications, I suggest you use a
>portable cellular telephone -

....

>I would not suggest portable CB radios

....

>If you're a ham, you probably already have a portable VHF or UHF radio,

....

>If you're not a ham already, you need to study the regulations, etc, as

....

Again, very Hal post like.

--eugene miya, NASA Ames Research Center, eugene@orville.nas.nasa.gov

Resident Cynic, Rock of Ages Home for Retired Hackers

{uunet,mailrus,other gateways}!ames!eugene

My 2nd favorite use of a flame thrower is the remake of "The Thing."

A Ref: Uncommon Sense, Alan Cromer, Oxford Univ. Press, 1993.

Date: Fri, 15 Jul 1994 12:50:14 GMT

From: ihnp4.ucsd.edu!agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!

greg@network.ucsd.edu

To: info-hams@ucsd.edu

References <385@doghouse.win.net>, <gregCsvu05.7K0@netcom.com>,

<394@doghouse.win.net>

Subject : Re: IARU Contest

In article <394@doghouse.win.net> jsalemi@doghouse.win.net (Joe Salemi) writes:

>

>Where are you located? Early indications from scores on posted on the
>local packet cluster seemed to indicate that the propagation to some
>areas was much better than others. Around here, it looked like
>Pennsylvania to the North was hopping, while the D.C. Metro area was a
>black hole as far as most signals were concerned...

I'm in central NJ, near Morristown, only about 60 miles out of PA.

Yes, from my experience, I do seem to be in a rather hot location,
where DX can be worked consistently with low power, bad antennas,
in a valley. Go figure.

With the way everything above 15Mhz sounds lately, I wouldn't be
surprised if ducting effects are finding their way as low as
20. :-(

Greg

End of Info-Hams Digest V94 #803
